

**Remarks/Arguments:**

Claims 1, 3-4, 6, 8-13 and 15 are pending and stand rejected.

By this Amendment, claims 9-10 and 15 have been amended to correct typographical errors.

No new matter is presented by the claim amendments.

An Examiner Interview was conducted on November 6, 2009. The Examiner is thanked for his efforts.

**Rejection of Claims 1, 4, 6 and 8-13 under 35 U.S.C. § 103 (a)**

In the Office Action, at item 5, claims 1, 4, 6 and 8-13 are rejected under 35 U.S.C. § 103 (a) as being obvious over Moriyama et al. (U.S. Patent Publication No. 2004/0198430, hereafter referred to as Moriyama) in view of Rautiola et al. (U.S. Patent No. 5,991,639, hereafter referred to as Rautiola).

Applicants respectfully traverse this rejection for the reasons set forth below.

Claim 1 is directed to a wireless communication system, and recites:

... when said first wired connection detecting means detects that said wired connection is being performed, said first change-over means changes over so that said wired data communication is performed, and **using the control signals, gives a change-over instruction to said second change-over means to change over so that said wired data communication is performed ...**

**said second change-over means changes over, based on the change-over instruction given by said first change-over means,** so that said wired data communication is performed,

(emphasis added, hereafter referred to as the second change-over means/change-over instruction feature). That is, a change-over instruction is given using control signals by the first change-over means of the first wireless communication unit to the second change-over means of the second wireless communication unit to change-over to wired data communication.

### **Moriyama Reference**

Moriyama discloses a switching operation of the processing apparatus 10 is performed based on the signal from detachment detector 42 of cradle 40 and a separate switching operation of the display device 50 is performed based on the signal from detachment detector 58 of the display device 50. Moriyama further discloses that detachment detector 42 (as well as detachment detector 58) detects attachment of the display device 50 to cradle 40. (See Moriyama at paragraphs [0078], [0080] and [0082]). Thus, Moriyama teaches separate detection of the attachment of display device 50 to cradle 40. That is, Moriyama does not contemplate sending a change-over (e.g., to change-over from wireless to wired operations) from one device (e.g., the processing apparatus 10) to another device (e.g., the display device 50). This is because, the Moriyama devices separately detect change-over conditions and independently switch operations.

### **Rautiola Reference**

In the Office Action, at pages 11-12, the Examiner contends that "... **first change-over means ... gives a change-over instruction to the second change-over means to change over so that the wired data communication is performed, the second change-over means changes over, based on the change-over instruction given by the first change-over means ...**," (bold in original). More particularly, the Examiner contends that an indication signal is used in Rautiola to detect the wired connection between two devices and control switching.

Applicants respectfully disagree with the Examiner's contentions.

Rautiola discloses two different wireless communication techniques. A first wireless communication technique disclosed in Rautiola uses mobile radio communication between the mobile station 10 and base station 105. This radio communication occurs when the wired connection from the mobile station 10 via the terminal device 40 to the communication switching center is broken. (See the Abstract of Rautiola and column 3, lines 44-48.) That is, radio communication in Rautiola is not established between terminal device 40 and mobile station 10 and thus, Rautiola is silent regarding a second changeover means in the terminal device 40 (which corresponds to the second wireless communication unit recited in claim 1). Moreover, because Rautiola does not include in terminal device 40 any change-over means

between wired communication via wire 51 and radio communication, it cannot disclose or suggest the change-over instruction recited in claim 1. That is, the change-over instruction recited in claim 1 is given to the second change-over means. There is, however, no changeover means in Rautiola to give such an instruction.

A second wireless communication technique disclosed in Rautiola uses infrared communication between the mobile station 10 and terminal device 40 via signals 52 as an alternative to wired communication via wired connection 51. In particular, Rautiola discloses that: (1) "in a system according to the invention a mobile station (10) is connected to a terminal device (40) e.g. through either a cable or and infrared connection," (emphasis added) and (2) "[i]t is possible to use, instead of connecting cables 51 or infrared connection 52, low power transceiver units ... The information transfer media [i.e., wired cable or wireless infrared] used between mobile station 10, 11 and terminal device 40, 41 does not essentially have an effect on the operation of the information transfer system," (brackets added). That is, Rautiola merely provides several different ways to communicate between the mobile station 10 and terminal device 40, but is silent regarding any switching from one connection type to another connection type (e.g., the interconnecting cable 51 to infrared connection 52). Thus, with regard to the use of an infrared connection 52, Rautiola does not disclose or suggest the "second change-over means," or the "change-over instruction" as recited in claim 1 and, more particularly, the second change-over means/change-over instruction feature as recited in claim 1.

In the Examiner Interview conducted on November 6, 2009, the Examiner contended that the information message disclosed at column 10, lines 55-59 of Rautiola corresponded to the change-over instruction recited in claim 1. Applicants respectfully disagree with the Examiner's contention. In particular, the information message sent to terminal device 40 indicates the establishment of a connection between the mobile station 10 and the intelligent charger 140. Moreover, Rautiola discloses that the intelligent charger 140 (which is positioned electronically intermediate to the mobile station 10 and terminal device 40, see Fig. 3B of Rautiola) is releaseably connected to terminal device 40, and is also releaseably connected to mobile station 10. (See Rautiola at column 8, lines 48-54.) Thus, any detection of a connection between the mobile station 10 and the terminal device 40 (to properly enable change-over) still requires the terminal device 40 to detect the connection between the terminal device 40 and intelligent charger 140. Accordingly, the information message of Rautiola cannot correspond to the change-over instruction recited in claim 1 because the information message

of Rautiola can not confirm proper wired connection of the mobile station 10 to terminal device 40, thus, change-over cannot occur in Rautiola without separate detection of a connection between the intelligent charger 140 and the terminal device.

Accordingly, Applicants respectfully submit that claim 1 is allowable over Moriyama in view of Rautiola. Withdrawal of the rejection and allowance of claim 1 is respectfully requested.

Claims 4, 6 and 8-10, while not identical to claim 1, include features similar to those set forth above with regard to claim 1. Thus, claims 4, 6 and 8-10 are also allowable over Moriyama in view of Rautiola for at least reasons similar to those set forth above with regard to claim 1.

Claims 11-13 depend from claims 8-10, respectively. Accordingly, claims 11-13 are likewise allowable over Moriyama in view of Rautiola.

**Rejection of Claim 3 under 35 U.S.C. § 103 (a)**

In the Office Action, at item 6, claim 3 is rejected under 35 U.S.C. § 103 (a) as being obvious over Moriyama in view of Rautiola in further view of Fong (U.S. Patent Publication No. 2005/0249169).

Applicants respectfully traverse this rejection for the reasons set forth below.

Claim 3, which includes all of the features of claim 1, is submitted to be allowable over Moriyama in view of Rautiola for at least the same reasons as those set forth above with regard to claim 1.

The addition of Fong does not overcome the deficiencies of Moriyama and Rautiola. This is because Fong does not disclose or suggest the second change-over means/change-over instruction feature recited in claim 1. Instead, Fong discloses the use of a wireless local area network, but is silent regarding, for example, change-over instructions.

Accordingly, claim 3 is submitted to be allowable over Moriyama and Rautiola in further view of Fong for at least the same reasons as those set forth above with regard to claim 1.

**Rejection of Claim 15 under 35 U.S.C. § 103 (a)**

In the Office Action, at item 7, claim 15 is rejected under 35 U.S.C. § 103 (a) as being obvious over Moriyama in view of Lempio (U.S. Patent Publication No. 2003/0207683) and Rautiola.

Applicants respectfully traverse this rejection for the reasons set forth below.

Claim 15, which includes similar but not identical features to those of claim 1, is submitted to be allowable over Moriyama in view of Rautiola for at least similar reasons to those set forth above with regard to claim 1.

The addition of Lempio does not overcome the deficiencies of Moriyama and Rautiola. This is because, Lempio, which is cited for its teaching of a third wired connection detection means, does not disclose or suggest:

... using control signals that can be exchanged between said first change-over means and third change-over means when said wired connection is being performed, gives a change-over instruction to said first change-over means, to change over so that said wired data communication is performed, and said first change-over means changes over, based on the change-over instruction given by said third change-over means, so that said wired data communication is performed,

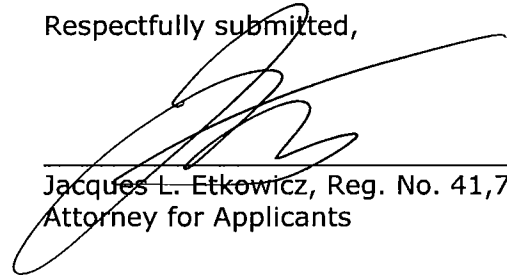
as recited in claim 15.

Accordingly, claim 15 is submitted to be allowable over Moriyama in view of Lempio and in further view of Rautiola for at least the reasons set forth above.

**Conclusion**

In view of the amendments and arguments set forth above, the above-identified application is submitted to be in condition for allowance, which action is respectfully requested.

Respectfully submitted,



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